SOUNDINGS IN FEET

12245

Formerly C&GS 400. 1st Ed., Feb. 1983. C-1942-SM.

UNITED STATES - EAST COAST

VIRGINIA

HAMPTON ROADS

Mercator Projection
Scale 1:20,000 at Lat. 36°57'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes, is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.53" northward and 1.204" eastward to agree with this chart.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

ARTICULATED AIDS

An articulated aid to navigation consists of a rigid structure that oscillates around a universal coupling connected to a sinker. The structure is kept upright by the buoyancy of a submerged flotation chamber. It is designed primarily to mark narrow channels in depths of up to 60 feet. All articulated aids are labeled "Art".

HAMPTON AND PHOEBUS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS REPORT TO AUGUST 1988
AND SURVEYS TO MAY 1990

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	LEFT HALF QUARTER	MIDDLE HALF CHANNEL	RIGHT HALF QUARTER	DATE OF SURVEY	PROJECT DIMENSION WIDTH (FEET)	DEPTH (FEET)	DEPTH INCLUDING ADVP (FEET)
HAMPTON N. ENTRANCE CHANNEL	12.0	12.0	12.0	1-88	300	11	12
HAMPTON REACH	12.0	12.0	12.0	5-88	700	12	12
NEWPORT NEWS	12.0	12.0	11.0	5-88	300-1000	12.5	13
PHOEBUS CHANNEL	12.0	12.0	11.0	5-90	150	12.1	12

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

PREPARED BY COMPUTER ASSISTED METHODS

NOTE B
HAMPTON ROADS TUNNEL
APPROACH SPANS
HOR. CL IS 75 FT
VERT. CL IS 12 FT AUTH

NOTE C
CAUTION
Construction equipment may be stationed within the area indicated by magenta tint. Mariners are advised to proceed with caution.

CRANEY ISLAND DISPOSAL AREA

ANCHORAGE AREAS

(Limits and Description of Anchorages may be changed under certain conditions by the Captain of the Port)

E — COMMERCIAL VESSEL ANCHORAGE
G — NAVAL EXPLOSIVES ANCHORAGE
G1 G2 G3 G4 — EXPLOSIVES HANDLING BERTH
ALL OTHER BERTHS ARE FOR GENERAL USE
ALL OTHER ANCHORAGES ARE FOR GENERAL USE

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.2 nautical miles run in 16 minutes, the speed is 16.0 knots.

Nautical Miles
Yards

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

John A. Knauss, Administrator

20th Anniversary 1970–1990
National Oceanic and Atmospheric Administration
"Serving The Nation"

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

49th Ed., Sept. 15/90

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SOUNDINGS IN FE

Formerly C&GS 400 1st Ed. Feb. 1953 C 1942-565

Nautical Chart Catalog No. 1, Panel D

HAMPTON AND PHOEBUS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS REPORT TO AUGUST 1988 AND SURVEYS TO MAY 1988

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS	
	CENTER QUARTER	MIDDLE HALF	SIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	DEPTH (FEET)
HAMPTON R. ENTRANCE CHANNEL	13.0	13.0	13.0	1-86	300	13
HAMPTON REACH	13.0	13.0	12.5	5-88	150	13
SUNSET CREEK	11.5	12.0	11.2	5-88	80-100	12.5
PHOEBUS CHANNEL	12.0	12.0	11.5	5-88	150	12

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

PRODUCED BY COMPUTER HISTRES METHOD

HAMPTON ROADS

HAMPTON FLATS

HAMPTON BAR

NEWS BAR

HAMPTON

PHOEBUS

HAMPTON RIVER

MILL CREEK

Old Point Comfort

Fort Monroe

TANK FARM

TANK (ELEV.)

Fort Wool

WILLOUGHBY BANK

WILLOUGHBY SPIT

WILLOUGHBY BAY

Sewells Point Spit

ENTRANCE REACH (see tabulation)

NEWPORT NEWS CHANNEL (see tabulation)

NEWPORT NEWS MIDDLE GROUND

FAIRWAY FOR SHALLOW DRAFT VESSELS AND TUGS

NORFOLK HARBOR REACH

CRANEY ISLAND FLATS

CRANEY ISLAND REACH

CRANEY ISLAND DISPOSAL AREA

Craney I.

Craney I. Creek

LAFAYETTE RIVER

Lamberts Pt

Norfolk International Terminals

N.S.W. Fld. Terminal

GRAIN ELEVATOR

Old Dominion University

Ocean View

Cottage Park

THIMBLE SHOAL

THIMBLE SHOAL CHANNEL

AUXILIARY CHANNEL

HORSESHOE

DANGER AREA 334.350 (see note A)

RESTRICTED AREA 334.360 (see note A)

REGULATED AREA 165.501 (see note A)

RESTRICTED AREA 334.300 (see note A)

NOTE B
HAMPTON ROADS TUNNEL APPROACH SPANS
1000 CL (E. 77.)
1000 CL (W. 77.)
VERT CL 70 Ft) AUTH

NOTE C
CAUTION
Construction equipment may be stationed within the area indicated by magenta line. Mariners are advised to proceed with caution.

ANCHORAGE AREAS
110.168 (see note A)

Limits and designation of anchorage areas are shown in color

(E) COMMERCIAL EXPLOSIVES ANCHORAGE
(G) NAVAL EXPLOSIVES ANCHORAGE
(G-1) (G-2) (G-3) (G-4) EXPLOSIVES HANDLING BERTH
ALL OTHER BERTHS ARE FOR GENERAL USE
ALL OTHER ANCHORAGES ARE FOR GENERAL USE

TIDAL INFORMATION

Place	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
Old Point Comfort	2.8	2.6	0.1	3.5
Sewells Point	2.8	2.6	0.1	3.5
Newport News	2.9	2.7	0.1	3.5

(1988)

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus
(A) Accurate location (a) Approximate location

PLANE COORDINATE GRID
(based on NAD 1927)
Virginia State Grid, south zone, is indicated by dotted ticks at 10,000 foot intervals.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 3 for important supplemental information.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.
Norfolk, Va. KHB-37 162.55 MHz

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated)
AERO aeronautical
Al alternating
B black
Bn beacon
C can
DIA diaphone
E int equal interval (flash)
F fixed
Fl flashing
Bottom characteristics
Bld boulders
bk broken
Cy clay
Co coral
G green
Gvl gravel
gy gray
M muddy
mix mixed
Oc occulting
Or orange
P pink
pur purple
Q quick
R red
RACON Radar beacon
RC radiobeacon
Rw red and white
S sand
Sh shell
Y yellow
Co coarse
F fine
M medium
Oys oysters
Pb pebbles
Rk rock
S sand
Sft soft
Sh shells
st sticky

Miscellaneous
AUTH authorized
ED existence doubtful
Obstr obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged
(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

HEIGHTS
Heights in feet above Mean High Water

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Defense Mapping Agency.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

CAUTION
FISH TRAP AREAS AND STRUCTURES
Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent.
Regulations to assure clear passage to and through dredged and natural channels and to established landings are prescribed by the Corps of Engineers in the Code of Federal Regulations.
Definite limits of fish trap areas have been established in some areas and those limits are shown thus
Where definite limits have not been prescribed the location of fishing structures is restricted only by the regulations.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from the chart.

RACING BUOYS
Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other privately maintained buoys are not as listed in the U.S. Coast Guard Light List.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia, or at the Office of the District Engineer, Corps of Engineers in Norfolk, Virginia. Refer to charted regulation section numbers.

(CONTINUED ON CHART 12222)

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SOUNDINGS IN FEET

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	1	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
METERS	1	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34

(Hampton Roads)
SOUNDINGS IN FEET - SCALE 1:20,000

12245

USA STOCK NO. 11A12245